

METHOD AND SYSTEM FOR TRANSMITTING INFORMATION IN AN
OPTICAL COMMUNICATION SYSTEM WITH LOW SIGNAL DISTORTION

ABSTRACT

A method is provided for transmitting information in an optical communication system that includes transmitting an optical information signal at a wavelength over an optical link with a first and second end. The optical information
5 signal is pre-distorted for dispersion proximate the first end of the optical link. The optical information signal is then compensated proximate the second end of the optical link for dispersion, wherein the pre-distortion and the compensation have opposite polarity at the transmitting wavelength.

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